

5579

U. S. COAST & GEODETIC SURVEY  
LIBRARY AND ARCHIVES

DEC 29 1934

Acc. No. \_\_\_\_\_

Form 504  
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

State: Georgia

DESCRIPTIVE REPORT

~~Topographic~~  
Hydrographic

Sheet No. 2

5579

LOCALITY

St. Simon Sound

and

Brunswick River, Ga.

Project No. HT-167

1934

CHIEF OF PARTY

John A. Bond, H. & G. Engr.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

## HYDROGRAPHIC TITLE SHEET

U. S. COAST & GEODETIC SURVEY  
LIBRARY AND ARCHIVE

DEC 28 1934

Acc. No. \_\_\_\_\_

REG. NO. 5579

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. 2REGISTER NO. 5579

State Georgia  
General locality St. Simon Sound  
Locality Brunswick River  
Scale 1:10000 Date of survey January & February, 1934  
Vessel Launch MIKAWA & Party No. 23  
Chief of Party John A. Bond, H. & C. Egner & C. A. Egner  
Surveyed by F. R. Gossett  
Protracted by A. G. Turner & V. F. Simmons  
Soundings penciled by V. F. Simmons  
Soundings in ~~fathoms~~ feet  
Plane of reference Mean low water  
Subdivision of wire dragged areas by \_\_\_\_\_  
Inked by E. R. Behn  
I. Michaelson  
Verified by E. R. Behn  
I. Michaelson  
Instructions dated December 5, 1933, 19  
Remarks: Transferred from Launch MIKAWA on April 25, 1934,  
and completed by Party No. 23

## DESCRIPTIVE REPORT

To Accompany Hydrographic Sheet No. 2

St. Simon Sound and Brunswick River, Ga.

PROJECT No. HT-167

### AUTHORITY

The work on this sheet was executed in accordance with Director's Instructions dated Dec. 5, 1933.

### SURVEY METHODS

Standard Coast Survey methods of hand-lead sounding in accordance with the Hydrographic Manual were used throughout the sheet. The leadline was standard mahogany colored, wire centered line, marked to feet and using 8 and 12 pound leads. The boat used was a 24 ft., 2 cylinder, hired launch, equipped with a sounding chair and plotting table, and a 22 ft. skiff with outboard motor. D. E. Sturmer, Deck Officer, surveyed Plantation Creek. The work on the rest of the sheet was done by Lieut. (j.g.) F. R. Gossett. All lines except in Plantation Creek were run using ranges (natural, buoy and target). When the current was too strong to take accurate soundings against it, lines were run only in the direction of the current. Control consisted of cloth signals and natural objects located by Standard Coast Survey methods of triangulation and plane-table topography. The work was done without definite shoreline. Approximate shoreline was taken from old surveys and preliminary photo sheets and is shown in pencil.

### DISCREPANCIES

This report is written from the boat sheet with soundings shown reduced from predicted tides. Small discrepancies in depth curves and cross lines are expected to check in smooth plotting using gage tides. No discrepancies requiring field examination are known to exist.

### DANGERS

There is a sand shoal making out across Jekyll Island range with a least depth (predicted tides) of 22 ft., Lat 31-07.6'; Long. 81-24.8'.

The following positions are dredge dumps which are outside the main channels, but which rise abruptly from deep water and bare 1 to 3 feet at low water:

| Lat.      | Long.       |
|-----------|-------------|
| 31 - 06.5 | 81 - 27.1 ✓ |
| 31 - 06.6 | 81 - 27.4   |
| 31 - 07.3 | 81 - 29.7 ✓ |
| 31 - 07.4 | 81 - 29.8 ✓ |
| 31 - 06.9 | 81 - 29.6 ✓ |

#### CHANNELS

Channels are well marked by ranges, buoys and beacons and are maintained to project depth by the U. S. Army Engineers.

#### COMPARISON WITH PREVIOUS SURVEYS

This sheet was compared with No. 4462. The present survey is much more detailed, however, general depths and curves check very well with the boat sheet. Comparison of the harbor with Chart No. 2392 (1899) shows a great deal of change due to dredging.

#### GEOGRAPHIC NAMES

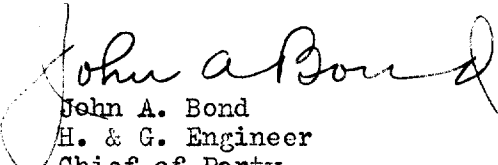
No new place names were used.

Note: This report is written from the boat sheet. Sheets and records are being transferred to Lieut. Egner in accordance with Director's letter to Lieut. Egner dated April 2, 1934.

Respectfully submitted:

F. R. Gossett  
Jr. H. & G. Engineer

Approved & Forwarded:

  
John A. Bond  
H. & G. Engineer  
Chief of Party

STATISTICS FOR SHEET NO. 2

| <u>Date</u> | <u>Day<br/>Letter</u> | <u>Volume</u> | <u>Positions</u> | <u>Soundings</u> | <u>Statute<br/>Miles</u> |
|-------------|-----------------------|---------------|------------------|------------------|--------------------------|
| Jan. 23     | a                     | I             | 129              | 857              | 25.1                     |
| 24          | b                     | I             | 149              | 998              | 28.9                     |
| 25          | c                     | II            | 164              | 953              | 28.4                     |
| 26          | d                     | II & III      | 135              | 753              | 23.2                     |
| 27          | e                     | III           | 69               | 379              | 11.4                     |
| 30          | f                     | III           | 142              | 776              | 20.6                     |
| 31          | g                     | III & IV      | 139              | 789              | 21.7                     |
| Feb. 2      | h                     | IV            | 121              | 617              | 15.8                     |
| 3           | j                     | IV & V        | 76               | 368              | 8.1                      |
| 5           | k                     | V             | 135              | 702              | 17.7                     |
| 6           | l                     | V & VI        | 148              | 746              | 18.5                     |
| 7           | m                     | VI            | 163              | 853              | 21.6                     |
| 8           | n                     | VI & VII      | 162              | 749              | 21.2                     |
| 9           | p                     | VII           | 70               | 335              | 8.9                      |
| 13          | q                     | VII           | 69               | 408              | 9.7                      |
| 14          | r                     | VII & VIII    | 122              | 628              | 16.0                     |
| 15          | s                     | VIII          | 152              | 582              | 19.4                     |
| 16          | t                     | VIII          | 137              | 469              | 13.6                     |
| 21          | u                     | VIII & IX     | 164              | 747              | 18.0                     |
| Mar. 1      | v                     | IX            | 82               | 307              | 7.7                      |
| 15          | w                     | IX            | 13               | 13               | Detached Sdg.            |
| Apr. 24     | x                     | IX & X        | 136              | 714              | 17.7                     |
|             |                       | TOTALS        | 2677             | 13743            | 373.2                    |

384.3

HYDROGRAPHIC SHEET NO. 2

Sheet and records were transferred on April 25, 1934  
to Lieutenant C. A. Egner for completion.

Progress on the work on the records at the time of transfer  
was as follows:

RECORDS

Reducers entered - Complete except 1 day

Reducers checked - " " " "

Soundings reduced - 1 day only

Soundings checked - 0

SMOOTH SHEET

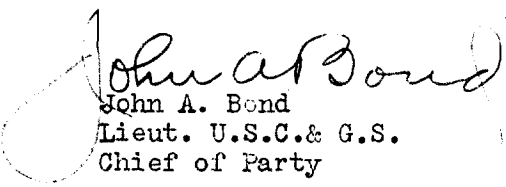
Projection - Completed and checked

Tri. and Topo stations - Plotted and checked

Protracting - 4/5 complete

Soundings plotted - None

Records and sheet as completed to date of transfer have  
been inspected by the Chief of Party and are approved.

  
John A. Bond  
Lieut. U.S.C. & G.S.  
Chief of Party

SUPPLEMENTAL REPORT

TO ACCOMPANY

HYDROGRAPHIC SHEET NO. 2 (MIKAWA).

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AUTHORITY:

This sheet, originally begun under the supervision of Lieut. J. A. Bond, was received from him on April 25, 1934 under instructions dated April 2, 1934.

ADDITIONAL  
WORK:

Only a small amount of field work remained to be done to complete this sheet. The Brunswick waterfront remained to be sounded and also three or four unimportant side creeks. The side creeks were sounded by the launch OWANEE while the waterfront was sounded by a dinghy from the launch MILLER.

In checking over the volumes it was discovered that the buoys in the Brunswick River were not located by sextant. Their position had been determined by topography and they have been transferred to the smooth sheet by d.m. and d.p.'s. direct from the topo sheets B (MIKAWA) and C (MIKAWA).

Soundings for the Brunswick Docks are shown in an inset on this sheet.

STATISTICS  
AND SIGNALS  
ON SHEET:

Are shown on accompanying tables.

Respectfully submitted,

*George Fortune*  
George Fortune,  
Surveyor.

Approved and forwarded;

*C. A. Egner*  
C. A. Egner, Chief of Party.

ADDITIONAL  
 STATISTICS  
 HYDROGRAPHIC SHEET  
 NO. 2 (MIKAWA)  
 TO ACCOMPANY SUPPLEMENTAL REPORT

| Date            | Day | Vol. | Miles | Snd'gs. | Pos. |
|-----------------|-----|------|-------|---------|------|
| Oct.19,'34      | a   | 11   | 2.0   | 233     | 50   |
| 20              | b   | 11   | - -   | 24      | 6    |
| Nov.22          | aa  | 12   | 7.1   | 213     | 48   |
| 23              | bb  | 12   | 2.0   | 59      | 15   |
| Totals. . . . . |     |      | 11.1  | 529     | 119  |

Tide gage at A. C. L. Dock  
 Brunswick was used on the  
 above soundings.

A.C.L. Dock Brunswick, M.L.W.      3.9 on staff



List of signals on  
Hydrographic sheet  
No. 6 (MIKAWA)

Triangulation stations:

Turtle RIVER Lower Range Front Light  
Col  
CEDar U.S.E.  
Cedar HAMmock F.R.  
JEKyll Id. R.R.  
Jeykll Creek Jetty REAR R.  
No. SEVen U.S.E.  
Jekyll Creek Jetty Front R.  
Jekyll Creek R. RANGE 3  
Jekyll Creek F. R. 3  
JekYLL Creek Jetty Beacon  
Jekyll Island FRONT R.  
St. Simon Island Golf CLUB Flag Pole  
St. SIMon L.H.  
St. Simon F. R. Light  
New SIGN Board  
Buz  
ChristMAS  
BRANDy Pt. U.S.E.  
New Jetty  
Brunswick Old BOILer  
BRUNSwick Harbor F.R. Light  
Brunswick HARBor R.R. Light  
Brunswick S.E. BASE  
Brunswick COURT House Cupola  
Brunswick City Hall SPIre  
SUGar  
Brandy Pt. BeaCON 134  
No. 1 U.S.E.  
ROCK U.S.E.  
SHOAL U.S.E.  
ParSON U.S.E.  
Spot  
Plantation Creek REAR R. Light  
Plantation Creek F. R. Light  
TURTle River R.R. 138

Topographic signals:

|                 |     |     |     |     |
|-----------------|-----|-----|-----|-----|
| Sap             | Eye | Old | Tic | Cow |
| Ore             | Nix | Bud | Sue | Ale |
| Mae             | Ink | Pup | No  | Gyp |
| Uke             | Age | Lac | Yam | Sop |
| Iso             | Fiz | Urn | Tom | Ask |
| Wou             | Kiy | Oil | Rib | Imp |
| Jud             | Vex | Ark | Pug | Sis |
| Cir             | Leo | Roy | Tuk | Day |
| Cus             | Erg | Glu | Abe | Tex |
| Pic             | Yak | New | Pil | Ego |
| Lag             | Kay | Nab | Ban | Del |
| Sol             | Gal | Vim | His | Ace |
| Rev             | Oak | Gin | Rye | Ida |
| Was             | Her | Luk | Jar | Owl |
| Sin             | Bin | Ear | Lax | Mar |
| Get             | Dan | Jag | Wed | Rek |
| Gum             | Fir | Quo | Phi | Ire |
| Fez             | Bag | Par | Elm | Sew |
| Uno             | Ore | Rip | Cup | Spa |
| Hic             | Pre | Rob | Owe | Cog |
| <del>Ixx-</del> | Ivy | Via | Eve | Nig |
| Cry             | Ant | Dol | Red | Fly |
| Zim             | Egg | Wir | Lit | Axe |
| Sam             | Cat | Fed | Pie | Tel |
| Air             | Who | Mat | Ran | Vex |
| Nel             | Out | Par | You | Mac |
| Lug             | Kid | Rus | Sis | Try |
| Web             | Amp | Dig | Ell | Fag |
| Lin             | Nip | Phi | She | Urk |
| Why             | By  | Den | Lip | Joy |
| Fib             | Cob | Are | Ex  | Vow |
| Tar             | Rug | Ox  | Mag | Jam |
| Ho              | Gob | Cho | Ben | Yes |
| Vat             | Up  | Jad | Ire | Hip |
| Fig             | Gar | Eli | Dax | Bay |
| Cen             | Ago |     |     |     |

Sextant locations;

Sno Harp

Field Records Section (Charts)

HYDROGRAPHIC SHEET NO. 5579 .....

The following statistics will be submitted with the  
cartographer's report on the sheet:

|   |                              |
|---|------------------------------|
| Number of positions on sheet                            | 2687 + 119<br>..... = 7796   |
| Number of positions checked                             | ..... 36                     |
| Number of positions revised                             | ..... 12                     |
| Number of soundings recorded                            | 13743 + 529<br>..... = 14272 |
| Number of soundings revised                             | ..... 494                    |
| Number of signals erroneously<br>plotted or transferred | .....                        |

Date:

Verification by E. R. Behn.  
I. Michaelson

Time: 82 hrs.

Review by H. T. Welsh

Time: 15 hrs

# Section of Field Records

Report on H-5579

Surveyed in Jan.-Feb, 1934.

Chief of Party, J.A. Bond, C.A. Egnor; Surveyed by F.R. Gossett

Protracted by { A.G. TURNER  
V.F. Simons

Soundings plotted by V.F. Simons

Verified and Inked by Irvin Michaelson

1. The records are neat, legible and complete; conforming to the general requirements of the Hydrographic Manual. ✓
2. The usual depth curves may be completely drawn. ✓
3. Soundings were correctly plotted with but few exceptions. ✓  
The protracting was excellent.
4. Field drafting was good. Junctions with adjoining sheets were inked in black giving field numbers. Bottom characteristics were not put on the 8 sheet. This was accomplished in the office. Pencilling of soundings was very often faint necessitating replotting of whole lines. It would be better that low water lines transferred from air-photo computations be left in pencil subject to modification by the hydrography. ✓
5. JUNCTIONS.
  - a. At north with H-5590 (1934) ✓
  - b. " N.W. " H-5591 (1934) ✓
  - c. " W " H-5687 (1934-35)\* —
  - d. " S " H-5586 (1934)\* —
  - e. " S " H-5685 (1934)\* —
  - f. ~~" F " H-4462 (1924)~~

\* H-5585, H-5586 and H-5587 have not been verified - so no junction has been made.

6. Verification of Topographic and Hydrographic Signals was accomplished by the Verifier. ✓

At. pos. 75d, note in record says "3' - boat hit bottom ✓ Plotted

" " 9g. " " " " " passing thru bridge.

" " 1aa " " " " " Telephone line crosses mouth of creek with about 185' clearance at. H.W." Compare with air photo

Some soundings in Clubbs Creek are from records of H-5590 (1934)

(pos 53cc to pos 57cc)  
91cc to 97cc)

Respectfully Submitted

Irvin Michaelson

4/3/35

January 22, 1935.

Division of Hydrography and Topography:

✓ Division of Charts:

Attention: Mr. E. P. Ellis

Tide Reducers are approved in  
12 volumes of sounding records for

HYDROGRAPHIC SHEET 5579

Locality Brunswick River, Georgia

Chief of Party: John A. Bond in 1934

Plane of reference is mean low water, reading

3.9 ft. on tide staff at Brunswick (A. C. L. Dock)

12.3 ft. below B.M. 1

3.0 ft. on tide staff at St. Simons Light

17.2 ft. below B.M. 1

6.0 ft. on tide staff at St. Simons Light (Owanee Staff)


No leveling record available

Height of mean high water above plane of reference is 7.3 feet at

at Brunswick; 6.6 feet at St. Simons Light.

Condition of records satisfactory except as noted below:

Tide stations used were not clearly indicated in sounding volumes.

  
Chief, Division of Tides and Currents.

To: H.M. Strong  
From: C.F.M.

Survey No. H 5578

GEOGRAPHIC NAMES

GEORGIA

Date: Jan. 17, 1935

Chart No. 1242

Diagram No. 1242-2

Names approved Jan. 22, 1935. *Helmer M. Strong*

\* Approved by the Division of Geographic Names, Department of Interior.

Ø Not Approved by the Division of Geographic Names, Department of Interior.

R, Referred to the Division of Geographic Names, Department of Interior.

*Names approved  
except those under  
investigation*

*Harlow Bacon*

| Status | Name on Survey   | Name on Chart          | <del>XXX</del> Names<br>in local use   | Names assigned<br>by Field | Location |
|--------|--|------------------------|--|----------------------------|----------|
|        | <u>Academy Creek</u> ✓   | <u>Same</u>            |  |                            | ✓        |
|        | <u>East River</u> ✓  | "                      |  |                            | ✓        |
|        | <u>Buzzard Roost</u> H ✓   | "                      | <u>Buzzards Roost</u> *  |                            | ✓        |
|        | <u>Buzzard Island</u> H ✓  | "                      | <u>Buzzards Island</u> *   |                            | ✓        |
|        | <u>Brandy Point</u> ✓  | "                      |  |                            | ✓        |
|        | <u>Colonels Island</u> ✓   | "                      |  |                            | ✓        |
|        | <u>Jointer Creek</u> ✓   | "                      |  |                            | ✓        |
|        | <u>Brunswick River</u> ✓   | "                      |  |                            | ✓        |
|        | <u>Brunswick</u> ✓   | "                      | U.S. Postal Guide, July, 1934.   |                            | ✓        |
|        | <u>Clubb Creek</u> H ✓   | "                      | <u>Clubbs Creek</u> *  |                            | ✓        |
|        | <u>Plantation Creek</u> ✓  | "                      |  |                            | ✓        |
|        | <u>Parsons Creek</u> H ✓   | "                      | <u>Parsons Creek</u> *   |                            | ✓        |
|        | <u>Brunswick Point</u> ✓   | "                      |  |                            | ✓        |
|        | <u>St. Simon Island</u> H O.K. } H.M.C.B. ✓                                | Sixth Report, U.S.G.B. | <u>St. Simonds Island</u>  |                            | ✓        |
|        | <u>St. Simon Sound</u> H O.K. } 2/1/35 GN 14/1935 Sixth Report, U.S.G.B. ✓ | " 4C. 5 - final        | <u>St. Simonds Sound</u> *   |                            | ✓        |
|        | <u>Clam Creek</u> ✓  | "                      |  |                            | ✓        |
|        | <u>Dubignon Creek</u> H ✓  | "                      | <u>Dubignons Creek</u> *   |                            | ✓        |
|        | <u>Jekyll Island</u> ✓   | " 14                   |  |                            | ✓        |
|        | <u>Jekyll Creek</u> ✓  | "                      | * GN/letter of Jan. 30, 1935 from Hubert A. Paton, from Jacksonville, Fla. 2/1/35 H.M.C.B. |                            | ✓        |
|        | <u>Mud River</u> ✓   | "                      |  |                            | ✓        |
|        | --- Note: ---  | ---                    | <u>Oglethorpe Bay</u> *  |                            | ✓        |
|        | Q Writing for information re local usage. 1/22/35 HMS                      |                        |  |                            |          |
|        | The Names on this Sheet were inked on the sheet by the Field.              |                        |  |                            |          |

## Section of Field Records

### REVIEW OF HYDROGRAPHIC SURVEY NO. 5579 (1934) - FIELD NO. 2

Brunswick River, St. Simon Sound, Georgia  
Surveyed January - February, 1934  
Instructions dated December 5, 1933 (NATOMA)

#### Hand Lead Soundings

#### 3 Point Fixes on Shore Signals.

Chief of Party - J. A. Bond, C. A. Egner.

Surveyed by - F. R. Gossett.

Protracted and Soundings plotted by - A. G. Turner and V. F. Simmons.

Verified and Inked by - E. R. Behn and I. Michaelson.

#### 1. Condition of Records.

The records are neat, legible and conform to the requirements of the Hydrographic Manual, with the following exceptions:

- a. No copy of Landmarks for Charts on Form 567 accompanied this particular sheet. Landmarks for area submitted.
- b. Evidence that the transfer of topo. signals was checked in the field was lacking, since the initials of the checker were not shown on the sheet. This was accomplished in the office.
- c. A number of topographic signals are shown in the area between the shoreline and the low water line without any topographic features. These were assumed to be of a temporary nature.
- d. A note in the sounding records at pos. 9g reads "passing thru bridge" but no topographic feature was shown on the sheet outside the shoreline. This matter has been referred to the field party.

Temporary  
structure.  
See letter attached  
to D. R.

#### 2. Compliance with Instructions for the Project.

The plan, character, and extent of the survey satisfy the instructions for the project, except that more cross lines should have been run. (Par. 14).

#### 3. Sounding Line Crossings.

Such cross lines as were run check well, and adjacent lines are in good agreement.

#### 4. Depth Curves.

The usual depth curves may be satisfactorily drawn, including portions of the low water line in the main channels.

5. Junctions with Contemporary Surveys.

Junction with H-5590 (1934) on the north is satisfactory except for a holiday at the <sup>east</sup> mouth of Plantation Creek, (lat.  $31^{\circ}08.25'$ , long.  $81^{\circ}26.3'$ ). Some soundings in Clubbs Creek plotted from records of H-5590 (1934)

Developed.  
See Rev. H-5579  
(1937) Add'l Wk.

The junction with H-5591 (1934) on the west is satisfactory.

The junctions with H-5687 (1934-35), H-5686 (1934) and H-5685 (1934) on the west and south will be considered in the reviews of those sheets.

6. Comparison with Prior Surveys.

a. H-548 (1856) and H-575 (1856).

A comparison between the above surveys and the present survey reveals numerous changes in depths and location of shoals. However, since extensive dredging operations have been carried on in the river channels, and present survey should supersede the above for charting purposes, it is unnecessary to consider such changes in detail.

b. H-1020 (1869).

This survey on a scale of 1-20,000 covers on the present survey only a few soundings at the mouths of the small creeks emptying into the south side of the Brunswick River and there is not enough overlap to effect a comparison.

c. H-1146 (1872).

This survey on a 1-20,000 scale covers on the present survey only a square mile of the entrances to Frederica and Back Rivers.

There is a general agreement of depths with present work. Slightly greater depths appear in the channel of Back River and slightly less in Frederica River at the present time.

d. H-2390 (1899), H-2391 (1899), and H-2392 (1899).

Since the date of these surveys dredging operations have increased the channel depths.

In general the average depths outside these channels remain about the same, the more important exceptions being as follows:

The shoal area to the north of the Jekyll Island is extending eastward and has crossed the range, the 30 foot curve extending as far east as  $81^{\circ}24.6'$ .



The channel into Back River (31°08.6'; 81°25.8') is now slightly (1 to 2 feet) deeper, while that into Frederica River (31°08.7'; 81°25.2') is slightly shoaler. The shoal area just outside Plantation Creek has spread, nearly closing the mouth, but with less of the shoal actually above low water.

The low water shoal at lat. 31°06.8', long. 81°26.3' on H-2390 (1899) has shrunk in size, but is building up to the southwest.

The entrance to Jekyll Creek is now 2 feet deeper than formerly, probably through dredging.

Plantation Creek now shows slightly greater depths.

The dredging to 27 feet and confining of the channel in front of Brunswick has been accomplished since the previous survey, H-2392 (1899), so that it is unnecessary to consider the changes in detail.

7. Comparison with Chart No. 447.

a. Hydrography.

Within the area of the present survey the chart is based on the surveys discussed in the foregoing paragraphs, with the addition of several soundings along the jetty at the entrance to Jekyll Creek (U. S. E. BP. 27556, January 11, 1934).

b. Controlling Depths.

The depths obtained on the present survey check in general with the latest U. S. E. letter 460/12/34 except that a maximum of 7 feet instead of 8 as reported, was obtained in Plantation Creek and the shoaler figure should be used in charting.

c. Aids to Navigation.

The buoys were located in positions which vary from a few meters to 100 meters from their charted positions, however they appear to adequately serve the purpose intended. The horizontal stripe buoy charted at lat. 31°07.93', long. 81°25.43' and the horizontal stripe buoy charted at lat. 31°08.3', long. 81°25.2' were noted in the sounding records and shown on the smooth sheet as a red nun buoy and a black can buoy, respectively.

8. Field Plotting.

Field plotting and protracting were well done and conform to the requirements of the Hydrographic Manual except that bottom characteristics were not plotted on the smooth sheet. This was accomplished in the office.

9. Doubtful Soundings.

Several shoal spots appear on the present survey in deep water. Some of these are bare shoals which have been built up by dumping, however there are some shoal soundings which were not investigated and which appear doubtful.

- (1) Two 6 foot soundings in lat.  $31^{\circ}06.25'$ , long.  $81^{\circ}25.8'$  are surrounded by depths of from 22 to 26 feet. There is a check mark opposite these soundings in record, however they should have been further investigated in the field. Disproved.  
See Rev. H-5579  
(1937) Add'l Wk.
- (2) The two 3 foot soundings in lat.  $31^{\circ}06.63'$ , long.  $81^{\circ}26.1'$ , are surrounded by depths of from 9 to 16 feet. Both are single soundings on a line and neither was checked in the record. These soundings are not of great importance since they fall close to a shoal area.
- (3) A 5 foot sounding in lat.  $31^{\circ}07.10'$ , long.  $81^{\circ}30.03'$ , and a 12 foot sounding about 200 meters west of it, fall in depths of from 21 to 24 feet. Both are single soundings on a line of soundings. They are close to an area that has been used for dumping, which may be the cause of the shoalings.

10. Additional Field Work Recommended.

- (1) The small holiday at the east mouth of Plantation Creek (lat.  $31^{\circ}08.2'$ , long.  $81^{\circ}26.3'$ ) should be surveyed. Holiday developed  
and G's disproved,  
See Rev. H-5579  
(1937) Add'l Wk.
- (2) When the above work is accomplished, the two 6 foot soundings at lat.  $31^{\circ}06.25'$ , long.  $81^{\circ}25.8'$  should be investigated.

11. Superseding Old Surveys.

Within the area covered, the present survey supersedes the following surveys for charting purposes:

|               |          |
|---------------|----------|
| H- 575 (1856) | in part. |
| H- 548 (1856) | " "      |
| H-1080 (1869) | " "      |
| H-1146 (1872) | " "      |
| H-2390 (1899) | " "      |
| H-2391 (1899) | " "      |
| H-2392 (1899) | " "      |

12. Reviewed by - Harry T. Kelsh, April, 1935.

Inspected by - R. L. Johnston.

Examined and approved:

C. K. Green,  
Chief, Section of Field Records.

*C. K. Green*

L. O. Lobell,  
Chief, Division of Charts.

*L. O. Lobell*

F. S. Borden,  
Chief, Section of Field Work.

*F. S. Borden*

G. H. Hilde,  
Chief, Division of H. & T.

*G. H. Hilde*

*Applied to chart 447  
Mar. 7, 1936 J.H.S.*

8 0  
POST-OFFICE ADDRESS: Box 793, Washington, N. C.

TELEGRAPH ADDRESS:

EXPRESS ADDRESS:

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

July 20, 1935

1935 JUL 22 9:06

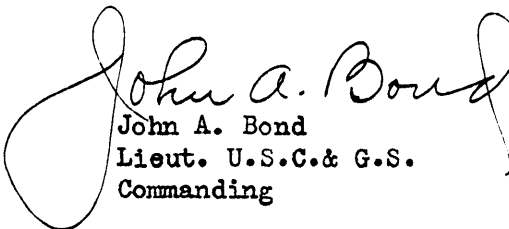
To: The Director  
U. S. Coast and Geodetic Survey  
Washington, D. C.

From: Commanding Officer  
U.S.C. & G.S.S. MIKAWA

Subject: Note on Sheet H-5579

In reply to your letter of July 16, 1935, (82-NM) relative to a note in the sounding records of sheet H-5579 reading "passing thru bridge" the following information is submitted.

What the recorder erroneously noted as a "bridge" was in reality two temporary piles supporting a catwalk erected by the U. S. Army Engineers in connection with their dredging operations. The structure, which was of a temporary nature, has undoubtedly been removed. It should not be shown on the sheet and should not be charted.

  
John A. Bond  
Lieut. U.S.C. & G.S.  
Commanding

*Appropriate note applied to D. R.  
and sounding Records. H. W. S.  
10/25/35*

Field Records Section (Charts).

HYDROGRAPHIC SHEET NO. .... **H5579** (Addl. Wk. 1937)

The following statistics will be submitted with the  
cartographer's report on the sheet:

|   |                            |
|---|----------------------------|
| Number of positions on sheet                            | ..... <sup>31</sup> .....  |
| Number of positions checked                             | ..... <sup>✓</sup> .....   |
| Number of positions revised                             | ..... <sup>✓</sup> .....   |
| Number of soundings recorded                            | ..... <sup>108</sup> ..... |
| Number of soundings revised                             | ..... <sup>✓</sup> .....   |
| Number of signals erroneously<br>plotted or transferred | ..... <sup>✓</sup> .....   |

Date: *July 28, 1937*

Verification by *G. H. Everett*

Time: *5 hrs*

Review by *Harold W. Murray*

Time: *2 "*

Add'l Work 1937)

Smooth S

Boat She

Soundin

Descrip

Title

List c

Landm

Statist

Approved by Chief of Party Yes

Recoverable Station Cards (Form 524) 2

Special Chart for Lighthouse Service Yes  
(Circular Nov. 30, 1933)

Remarks

HYDROGRAPHY

Total Days One

Left April 17, 1937

Applied to Chart 1242. Mar. 16, 1939 g.H.S.

5579 (Additional work, 1937)

|  |                                  |
|--|----------------------------------|
| Form 504<br>Rev. Dec. 1933   |                                  |
| DEPARTMENT OF COMMERCE<br>U.S. COAST AND GEODETIC SURVEY<br>R. S. PATTON, DIRECTOR |                                  |
| DESCRIPTIVE REPORT   |                                  |
| Topographic }<br>Hydrographic }  | Sheet No. H-5579 (Addl Wk. 1937) |
|  |                                  |
| State  | Georgia                          |
| LOCALITY   |                                  |
| St. Simon Sound  |                                  |
| Brunswick River  |                                  |
|  |                                  |
| 1937   |                                  |
| CHIEF OF PARTY   |                                  |
| L. D. Graham   |                                  |



DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. 2

REGISTER NO. H-5579(Add'l Work 1937)

State Georgia

General locality St. Simon Sound

Locality Brunswick River

Scale 1 : 10,000 Date of survey April 17, 1937, IX

Vessel MIKAWA

Chief of Party L. D. Graham

Surveyed by G. W. Lovesee

Protracted by G. H. Everett (In office)

Soundings penciled by " "

Soundings in ~~2000~~ feet

Plane of reference M.L.W.

Subdivision of wire dragged areas by

Inked by G. H. Everett

Verified by "

Instructions dated Mar. 20, 1937, IX

Remarks: This Title Sheet Executed in Office.

SUPPLEMENTAL DESCRIPTIVE REPORT

TO ACCOMPANY

BOAT SHEET NO. 5579

SAINT SIMON SOUND GEORGIA.

Launch MIKAWA, L.D. Graham, Comd'g.

April 17, 1937.

The additional development on this boat sheet was executed in accordance with supplemental instructions, dated March 20, 1937, and refer to No. 22-AB, 1991 MI 1.

The additional development of boat sheet No. 5579 was done by a party from the Launch MIKAWA, while enroute from Crescent City, Florida, to Norfolk, Virginia, on the afternoon of April 16, 1937.

A tide staff was installed at the St. Simon Dock and levels connected with the old bench marks. The staff was then read every half hour while soundings were being taken.

The soundings in the mouth of Plantation Creek were taken with Launch "75", and usual Coast Survey methods were employed. It was not necessary to build and locate new signals as enough of the signals of the MIKAWA'S previous survey in this vicinity were recovered to execute the survey. The old signals in the vicinity of the questionable soundings at latitude  $31^{\circ} 06.25'$ , longitude  $81^{\circ} 25.8'$  were also recovered.

The two 6-ft. soundings at the above mentioned latitude and longitude were disproved and these soundings should be rejected. It is believed that these two soundings were probably recorded wrong at the time of the original survey. Several lines were run across these 6-ft. soundings and no indication of shoaling was found. All other soundings on the boat sheet were checked to the nearest foot by our cross lines.

It is recommended that the 6-ft. sounding at latitude  $31^{\circ} 06.25'$ , longitude  $81^{\circ} 26.3'$ , on Chart No. 447 be removed.

25.8

FORWARDED APPROVED,

*L.D. Graham*

L. D. Graham  
H. & G. Engineer  
Chief of Party.

RESPECTFULLY SUBMITTED,

*George W. Lovesee*

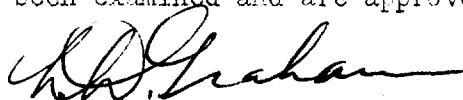
George W. Lovesee  
Jr. H. & G. Engineer.

"See immediate attention slip—  
6 ft soundings removed from report C.R."

ADDITIONAL STATISTICS - SHEET No. 5579.

| Date     | Day letter | Statute miles | Soundings | Positions. |
|----------|------------|---------------|-----------|------------|
| April 16 | A          | 2.4           | 108       | 31         |

The boat sheet and records have been examined and are approved.

A handwritten signature in dark ink, appearing to read "L. D. Graham". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

L. D. Graham  
H. & G. Engineer  
Chief of Party.

## Report on H-5579 (Addl. Wk. 1937)

The positions were protracted and soundings plotted in pencil first in the office. The soundings were then inked from the records. ✓

There are no discrepancies with the original sheet except for the two 6 foot soundings in Lat.  $31^{\circ}-06.25'$ , Long.  $81^{\circ}-25.8$  which were disproved as stated in the Desc. Report. It was not possible to plot all the soundings in this area. These sdg's removed. H.W.M. ✓

Pos 12A in Lat.  $31^{\circ}-08.23$ ; Long.  $81^{\circ}-26.24$  was noted in the record as being 5 M. off shore. ✓

The H.W. Line on the smooth sheet is 80 M. from the position. The term 'shore' probably means the grassy marsh which is referred to in Pos. 11A.

Explanation accepted.  
H.W.M.

submitted July 28, 1937

L. H. Everett.

# MEMORANDUM

## IMMEDIATE ATTENTION

SURVEY  
DESCRIPTIVE REPORT  
~~PHOTOSTAT OF~~

No. H-5579 (Add'l Wk.  
1937)

~~No. 5~~

received April 29, 1937  
registered May 5, 1937  
verified  
reviewed  
approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

| ROUTE |                  | Initial | Attention called to                                    |
|-------|------------------|---------|--|
| 20    |                  |         |  |
| 22    |                  |         |  |
| 24    |                  |         |  |
| 25    |                  |         |  |
| 26    |                  |         |  |
| 30    |                  |         |  |
| 40    |                  |         |  |
| 62    |                  |         |  |
| 63    |                  |         |  |
| 82    |                  |         |  |
| ✓ 83  | <i>Edmonston</i> |         | <i>D.R. (6 statements removed from chart - C.K.G.)</i> |
| 88    |                  |         |  |
| 90    |                  |         |  |
|       |                  |         |  |
|       |                  |         |  |

RETURN TO

|    |                    |
|----|--------------------|
| 82 | <i>C. K. Green</i> |
|----|--------------------|

CS-5-13-37

Form 712  
DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY  
Ed. Feb. 1935

## TIDE NOTE FOR HYDROGRAPHIC SHEET

Division of Hydrography and Topography:

✓ Division of Charts: **Attention Mr. E. P. Ellis**

Tide Reducers are approved in  
volumes of sounding records for

HYDROGRAPHIC SHEET 5579 (Additional Work 1937)

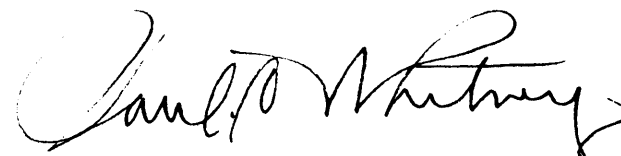
Locality **Plantation Creek, St. Simon Sound, Georgia.**Chief of Party: **L. D. Graham in 1937**

Plane of reference is **mean low water, reading**  
**1.7 ft. on tide staff at St. Simons Island\***  
**14.3 ft. below B.M. 6**

Height of mean high water above plane of reference is **8.6 feet.**

\* Staff readings in Leveling Record, Acc. No. T - 3457.

Condition of records satisfactory except as noted below:

  
Chief, Division of Tides and Currents.

## Section of Field Records

### REVIEW OF HYDROGRAPHIC SURVEY NO. 5579 (ADD'L WORK 1937) FIELD NO. 2

Brunswick River, St. Simon Sound, Georgia  
Surveyed in April 1937, Scale 1:10,000  
Instructions dated March, 20, 1937 (MIKAWA)

#### Hand Lead Soundings.

#### 3 Point fixes on shore signals.

Chief of Party - L. D. Graham.  
Surveyed by G. W. Lovesee.  
Protracted by - G. H. Everett (in office).  
Soundings plotted by - G. H. Everett (in office).  
Verified and inked by - G. H. Everett.

#### 1. Purpose of Survey.

The purpose of this additional work was to investigate two doubtful 6 foot soundings in lat.  $31^{\circ}06.25'$  long.  $81^{\circ}25.8'$  and to develop a small holiday at the mouth of Plantation Creek (lat.  $31^{\circ}08.2'$  long.  $81^{\circ}26.3'$ ) called for in the review of the 1934 work (pars. 10 (1) and (2)).

#### 2. Results of Survey.

##### a. Reference Paragraph 5 and 10 (1), review of H-5579 (1934).

The development of the holiday (lat.  $31^{\circ}08.2'$  long.  $81^{\circ}26.3'$ ) between H-5579 (1934) and H-5590 (1934) is adequate.

##### b. Reference Paragraph 9 (1) and 10 (2), review of H-5579(1934).

The two doubtful 6 foot soundings (one charted) in lat.  $31^{\circ}06.25'$  long.  $81^{\circ}25.8'$  are disproved, the additional development disclosing general depths of 24 to 26 feet and no evidence of any possible shoal. The 6 foot soundings have been removed from the smooth sheet. The single charted 6 and accompanying depth curves should also be deleted from the chart.

#### 3. Note to Compiler.

The compiler's attention is called to a 20 foot sounding (charted) in lat.  $31^{\circ}07'$  plus 168 m. long.  $81^{\circ}25'$  plus 740 m. which was incorrectly shown on the sheet in the original work. The correct depth is 29 feet and has been so shown on the smooth sheet.



This change is also covered by an appropriate note on the smooth sheet. Charts affected are Nos. 447 and 840.

4. Reviewed by Harold W. Murray, July 30, 1937.

Inspected by A. L. Shalowitz.

Examined and approved:

C. K. Green, *C. K. Green*  
Chief, Section of Field Records.

*L. O. Pollock*  
Chief, Division of Charts

*Wm. L. Peacock*  
Chief, Section of Field Work.

*Stude*  
Chief, Division of H. & T.

Applied to Chart 1242, Mar. 16, 1939 G.H.S.